

CLAIMS

1   1. A fan revolution speed control method comprising steps  
2   of:

3       detecting an actual temperature of a cooling target  
4   fluid that is to be cooled by a cooling fan,

5       determining a target fan revolution speed based on the  
6   difference between the actual temperature detected and a  
7   target temperature by system of a proportional integral  
8   control unit, and

9       controlling said cooling fan based on said target fan  
10  revolution speed, wherein:

11      accumulation of integral elements at a negative side  
12  is restricted when performing integration by said  
13  proportional integral control unit.

1   2. A fan revolution speed control method as claimed in  
2  claim 1, wherein:

3       an integration start temperature, at which integration  
4  is initiated, serves as said target temperature so as to  
5  restrict accumulation of negative integral elements.

1   3. A as claimed in claim 1, wherein:

2       in cases where a minimum fan revolution speed has been  
3  determined, an integration start fan revolution speed, at  
4  which integration is initiated, is set at said minimum fan  
5  revolution speed so as to restrict accumulation of negative  
6  integral elements.